

IN THE SPECIFICATION AND THE ABSTRACT OF THE DISCLOSURE:

On the cover page and at page 1, line 1, please delete the title of the invention, and replace it with – Electrode With Pore Size Distribution --.

METHOD FOR FABRICATION OF ELECTRODES
ELECTRODE WITH PORE SIZE DISTRIBUTION

At paragraph (0002) page 1, line 7, after “2001’ please insert -- , now US Patent No. 6,753,036, --

RELATED APPLICATIONS

[0002] This application is a Divisional of Serial No. 09/906,913 filed July 16, 2001, now US Patent No. 6,753,036, entitled “Method for Fabrication of Electrodes” by inventor(s) Alan F. Jankowski, Jeffrey D. Morse and Randy Barksdale.

In the Abstract of the Disclosure at page 10, line 2, after “is” please insert – an electrode having tapered pores and –

ABSTRACT OF THE DISCLOSURE

Described herein is an electrode having tapered pores and a method to fabricate porous thin-film electrodes for fuel cells and fuel cell stacks. Furthermore, the method can be used for all fuel cell electrolyte materials which utilize a continuous electrolyte layer. An electrode layer is deposited on a porous host structure by flowing gas (for example, Argon) from the bottomside of the host structure while simultaneously depositing a conductive material onto the topside of the host structure. By controlling the gas flow rate through the pores, along with the process conditions and deposition rate of the thin-film electrode material, a film of a pre-determined thickness can be formed.

Once the porous electrode is formed, a continuous electrolyte thin-film is deposited, followed by a second porous electrode to complete the fuel cell structure.